

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-23. (Canceled)

24. (Currently Amended) A method of generating Digital Items for electronic commerce activities of multimedia data embodied in a computer-readable medium, comprising:

selecting a resource for electronic commerce activities of multimedia data;

~~generating and storing and/or transmitting for the resource an atomic Digital Item, for the resource which is not further divided, and a packaged Digital Item, wherein the packaged Digital Item is defined to include any sub packaged Digital Item in a recurrent package form in which the atomic Digital Item is packaged or already packaged Digital Items are again packaged, therefore each packaged Digital Item is generated in a recurrent manner, wherein in order to construct the recurrent layered structure of the Digital Items, the atomic Digital Item as a lowest layer is defined as component, the packaged Digital Item as a middle layer is defined as item, and/or packaged Digital Items as a highest layer is~~

Reply to Office Action dated April 14, 2006

defined as container, and in generating the component, the component is defined to include the selected resource, an anchor for designating the selected resource, optionally a descriptor for describing details of the resource, and optionally an opCondition for describing operational use conditions of the resource, wherein the packaged Digital Item is defined to include an anchor for designating the same level of Digital Item or an anchor for designating a lower level of Digital Item, such that in generating the item, the item is defined to include packaged content including at least one component or item or anchor, optionally a choice for the packaged content, and optionally a descriptor for describing details of the packaged content; and/or in generating the container, the container is defined to include packaged content including at least one item or container or anchor, and optionally a descriptor for describing details of the packaged content.

25. (Previously Presented) The method according to claim 24, wherein the anchor used for all Digital Items is defined to include a reference being an identifier designating uniquely a Digital Item, at least zero or more descriptor for describing the anchor, and at least zero or more opCondition for describing a usage format of the anchor.

26. (Previously Presented) The method according to claim 25, wherein opCondition used for anchor defines operational use conditions for a corresponding item by use of at least one or more predicate which is Boolean function.

27. (Canceled)

28. (Previously Presented) The method according to claim 24, wherein generating the component is defined to include selectively a murCondition for describing conditions related to management and use rule for the resource, an eventReport for describing an event to be reported in connection with the resource, a userPreference for describing user preference information on the resource, or a reservedMetadata for describing metadata additionally required for a future Digital Item definition model.

29. (Previously Presented) The method according to claim 28, wherein the UserPreference is defined to include an anchor for designating existing user preference information, a descriptor for describing content of the user preference information, and a murCondition capable of describing a management and use rule of the user preference information.

30. (Previously Presented) The method according to claim 28, wherein the murCondition used for all the Digital Items, eventReport, userPreference, and reservedMetadata defines conditions for a management and use rule of a corresponding Digital Item or definition model elements by use of at least one or more predicate which is Boolean function representation language.

31. (Previously Presented) The method according to claim 29, wherein the opCondition describes conditions, including at least one of transmission bit rate, resolution of video or image, sampling rate of audio, compression algorithm, key or decoding conditions if coded, and transmission protocol.

32. (Previously Presented) The method according to claim 24, wherein generating the item is defined to include selectively a murCondition for describing conditions related to a management and use rule for the packaged content, an eventReport for describing an event to be reported in connection with the packaged content, a userPreference for describing user preference information on the packaged content, or a reservedMetadata for describing metadata additionally required for a future Digital Item definition model.

33. (Previously Presented) The method according to claim 32, wherein the eventReport is defined to include an anchor for designating a server computer for

Reply to Office Action dated April 14, 2006

processing, managing, and storing content of a reportable event report, a descriptor for describing the content of the event report, and a murCondition for describing conditions related to a management and use rule of the event report content.

34. (Previously Presented) The method according to claim 24, wherein generating the container is defined to include selectively a murCondition for describing conditions related to a management and use rule for the packaged content, an eventReport for describing an event to be reported in connection with the packaged content, a userPreference for describing user preference information on the packaged content, or a reservedMetadata for describing metadata additionally required for a future Digital Item definition model.

35. (Previously Presented) The method according to claim 24, wherein the choice is defined to include a recurrent form of at least zero or more choice, at least zero or more descriptor, at least zero or more opCondition that can be used to determine whether a single selection is selected or more than one selection are selected, and at least one or more selection as the object of selection.

36. (Previously Presented) The method according to claim 35, wherein the selection is defined to include predicate which is Boolean function representation language, at least zero or more descriptor for describing the content of the selection,

Reply to Office Action dated April 14, 2006

and opCondition for describing operational use conditions of the selection, as elements included to define the choice.

37. (Previously Presented) The method according to claim 24, wherein the choice is used for item level for the purpose of selective item configuration in order to adapt the Digital Item according to the various types of networks and terminals, or the user request, and wherein the choice is modeled in a recurrent form considering the user generally configures item through multi-steps, so layered definition of choice is required.

38. (Previously Presented) The method according to claim 24, wherein a descriptor used for all the Digital Items, choice, selection, eventReport, userPreference, reservedMetadata, and anchor, is defined to include at least zero or more existing descriptor or anchor, a component capable of representing the content of the descriptor or statement of text or any machine readable format for describing the content, including parent elements of the descriptor to be defined, and at least zero or more opCondition of describing operational conditions of descriptor.

39. (Previously Presented) The method according to claim 24, wherein the anchor used for all Digital Items, eventReport, userPreference, reservedMetadata, and descriptor, is defined to include a reference being an identifier designating a

uniquely atomic Digital Item and each Digital Item, at least zero or more descriptor for describing the anchor, and at least zero or more opCondition for describing usage format of the anchor.

40. (Previously Presented) The method according to claim 24, wherein the opCondition used for a Digital Item of the component level, descriptor, anchor, choice and selection defines operational use conditions for a corresponding item or definition model elements by use of at least one or more predicate which is Boolean function representation language.

41. (Previously Presented) The method of according to claim 24, wherein container, item, and component are generated as Digital Items in order to provide a selected resource as the unit of manipulation for electronic commerce activities according to the following element definitions:

(a) container::=(anchor | container)* (anchor | item)* descriptor*
murCondition* eventReport* userPreference* reservedMetadata*

(b) item::=(anchor | item | component)+ choice* descriptor*
murCondition* eventReport* userPreference* reservedMetadata*

(c) component::=resource anchor descriptor* murCondition*
opCondition* eventReport* userPreference* reservedMetadata*

(d) anchor::=reference descriptor* opCondition*

Reply to Office Action dated April 14, 2006

(e) descriptor::=(anchor | descriptor)* (component | statement)
opCondition*

(f) choice::=choice* selection+ descriptor* opCondition *

(g) selection::=predicate descriptor* opCondition*

(h) eventReport::=anchor descriptor murCondition

(i) userPreference::=anchor descriptor murCondition

(j) reservedMetadata::=anchor descriptor murCondition

(k) murCondition::=predicate+

(l) opCondition::=predicate+, wherein '*' means at least zero or more, '+'

means at least one or more, and '|' means 'OR' logical operation.

42. (Canceled)